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|--|-------------------------|-----------------|---------------------------|-------------------------------|--------------------------------|----------------------------|--|
| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b> |                         |                 |                           | Application Number            |                                | 10/634,380                 |  |
|  |                         |                 |                           | Filing Date                   |                                | August 4, 2003             |  |
|  |                         |                 |                           | First Named Inventor          |                                | Yoshihiro KAWAMURA         |  |
|  |                         |                 |                           | Group Art Unit                |                                | 1764                       |  |
|  |                         |                 |                           | Examiner Name                 |                                | Nina <del>Patel</del> Bhat |  |
| Sheet  | 1                       | of              | 2                         | Attorney Docket Number        |                                | 03467/LH                   |  |
| <b>U.S. PATENT DOCUMENTS</b>                             |                         |                 |                           |                               |                                |                            |  |
| Exam.<br>Initis*   | Cite<br>No <sup>1</sup> | Document Number | Kind<br>Code <sup>2</sup> | Name of Patentee or Applicant | Publication Date<br>MM-DD-YYYY | Relevant Portion           |  |
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| NB   |                         | 6,824,905       | B2                        | SHIOYA ET AL                  | 11-30-2004                     |                            |  |
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| NB   |                         | 2004/0018129    | A1                        | KAWAMURA et al                | 01-29-2004                     |                            |  |
| NB   |                         | 2004-0148859    | A1                        | KAWAMURA et al                | 08-05-2004                     |                            |  |
| NB   |                         | 5,716,842       | A                         | BAIER et al                   | 02-10-1998                     |                            |  |
| NB   |                         | 6,200,536       | B1                        | TONKOVICH et al               | 03-13-2001                     |                            |  |
| NB   |                         | 2003/0103878    | A1                        | MORSE et al                   | 06-05-2003                     |                            |  |
| NB   |                         | 2003/0039874    | A1                        | JANKOWSKI et al               | 02-27-2003                     |                            |  |
| NB   |                         | 2003/0138685    | A1                        | JANKOWSKI et al               | 07-24-2003                     |                            |  |
| NB   |                         | 2004/0043273    | A1                        | JANKOWSKI et al               | 03-04-2004                     |                            |  |
| NB   |                         | 2004/0048128    | A1                        | JANKOWSKI et al               | 03-11-2004                     |                            |  |
| NB   |                         | 2004/0148858    | A1                        | YAMAMOTO et al                | 08-05-2004                     |                            |  |
| Examiner<br>Signature                                    |                         | /Nina Bhat/     |                           |                               | Date<br>Considered             | 09/20/2006                 |  |

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<sup>1</sup> Unique citation designation number. <sup>2</sup> See kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Mark here if English translation is attached.

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|  |                         |                     |                              |                           |   |                                |                  |                |
|--|-------------------------|---------------------|------------------------------|---------------------------|---|--------------------------------|------------------|----------------|
| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b> |                         |                     |                              | Application Number        |   | 10/634,380                     |                  |                |
|  |                         |                     |                              | Filing Date               |   | August 4, 2003                 |                  |                |
|  |                         |                     |                              | First Named Inventor      |   | Yoshihiro KAWAMURA             |                  |                |
|  |                         |                     |                              | Group Art Unit            |   | 1764                           |                  |                |
|  |                         |                     |                              | Examiner Name             |   | Nina Nmh Bhat                  |                  |                |
| Sheet  | 2                       | of                  | 2                            | Attorney Docket Number    |   | 03467/LH                       |                  |                |
| <b>FOREIGN PATENT DOCUMENTS</b>                          |                         |                     |                              |                           |   |                                |                  |                |
| Exam<br>Inits <sup>1</sup>                               | Cite<br>No <sup>1</sup> | Office <sup>3</sup> | Document Number <sup>4</sup> | Kind<br>Code <sup>5</sup> | Name of Patentee or<br>Applicant                  | Publication Date<br>MM-DD-YYYY | Relevant Portion | T <sup>6</sup> |
| NB   |                         | EP                  | 1 022 059                    | A2                        | BIOMETRA<br>BIOMEDIZINISCH<br>ANALYTIK GmbH       | 07-26-2000                     |                  |                |
| NB   |                         | DE                  | 199 20 786                   | A1                        | DBB FUEL CELL<br>ENGINES GMBH                     | 11-16-2000                     |                  |                |
| NB   |                         | DE                  | 100 10 400                   | A1                        | MANNESMANN AG                                     | 09-06-2001                     |                  |                |
| NB   |                         | WO                  | 2004/030805                  | A1                        | UNIVERSITY OF<br>CALIFORNIA                       | 04-15-2004                     |                  |                |
| NB   |                         | WO                  | 00/45457                     | A1                        | THE REGENTS OF<br>THE UNIVERSITY<br>OF CALIFORNIA | 08-03-2000                     |                  |                |
| NB   |                         | WO                  | 03/082460                    | A1                        | CASIO COMPUTER<br>CO. LTD                         | 10-09-2003                     |                  |                |
| Examiner<br>Signature                                    |                         | /Nina Bhat/         |                              |                           |   | Date<br>Considered             | 09/20/2006       |                |

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|  |   |    |   |                        |                |
|--|---|----|---|------------------------|----------------|
| <b>Substitute for Form 1449A/PTO</b><br><br><b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b> |   |    |   | Application Number     | 10/634,380     |
|  |   |    |   | Filing Date            | August 4, 2003 |
|  |   |    |   | First Named Inventor   | Y. KAWAMURA    |
|  |   |    |   | Group Art Unit         | 1764           |
|  |   |    |   | Examiner Name          | BHAT, NINA NMN |
| Sheet  | 1 | of | 1 | Attorney Docket Number | 03467/LH       |

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| Exam. Inits <sup>6</sup> | Cite No <sup>1</sup> | Document Number | Kind Code <sup>2</sup> | Name of Patentee or Applicant | Publication Date MM-DD-YYYY | Relevant Portion |
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| Exam Inits | Cite No <sup>1</sup> | Offc <sup>3</sup> | Document Number <sup>4</sup> | Kind Code <sup>5</sup> | Name of Patentee or Applicant | Publication Date MM-DD-YYYY | Relevant Portion | T <sup>6</sup> |
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|                    |             |                 |            |
|--------------------|-------------|-----------------|------------|
| Examiner Signature | /Nina Bhat/ | Date Considered | 09/20/2006 |
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|   |   |    |   |                        |                |
|---|---|----|---|------------------------|----------------|
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|   |   |    |   | Filing Date            | August 4, 2003 |
|   |   |    |   | First Named Inventor   | Y. KAWAMURA    |
|   |   |    |   | Group Art Unit         | 1764           |
|   |   |    |   | Examiner Name          | BHAT, NINA NMN |
| Sheet   | 1 | of | 2 | Attorney Docket Number | 03467/LH       |

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| NB                       |                      | 2003/0138685    | A1                     | JANKOWSKI et al               | 07-24-2003                  |                  |
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| NB                       |                      | 2004/0048128    | A1                     | JANKOWSKI et al               | 03-11-2004                  |                  |
| NB                       |                      | 2004/0148858    | A1                     | YAMAMOTO et al                | 08-05-2004                  |                  |

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|--------------------------|----------------------|---------------------|------------------------------|------------------------|---|-----------------------------|------------------|----------------|
| NB                       |                      | EP                  | 1 022 059                    | A2                     | BIOMETRA<br>BIOMEDIZINISCHE<br>ANALYTIK GMBH      | 07-28-2000                  |                  |                |
| NB                       |                      | DE                  | 199 20 786                   | A1                     | DBB FUEL CELL<br>ENGINES GMBH                     | 11-16-2000                  |                  |                |
| NB                       |                      | DE                  | 100 10 400                   | A1                     | MANNESMANN AG                                     | 09-06-2001                  |                  |                |
| NB                       |                      | WO                  | 2004/030805                  | A1                     | UNIVERSITY OF<br>CALIFORNIA                       | 04-15-2004                  |                  |                |
| NB                       |                      | WO                  | 00/45457                     | A1                     | THE REGENTS OF THE<br>UNIVERSITY OF<br>CALIFORNIA | 08-03-2000                  |                  |                |
| NB                       |                      | WO                  | 03/082460                    | A1                     | CASIO COMPUTER CO.<br>LTD                         | 10-09-2003                  |                  |                |

Examiner  
Signature

/Nina Bhat/

Date  
Considered

09/20/2006

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|   |                          |   |   |                        |                |
|---|--------------------------|---|---|------------------------|----------------|
| Substitute for Form 1449A/PTO<br><br>INFORMATION DISCLOSURE<br>STATEMENT BY APPLICANT |                          |   |   | Application Number     | 10/634,380     |
|   |                          |   |   | Filing Date            | August 4, 2003 |
|   |                          |   |   | First Named Inventor   | Y. KAWAMURA    |
|   |                          |   |   | Group Art Unit         | 1784           |
|   |                          |   |   | Examiner Name          | BHAT, NINA NMN |
| Sheet   | 2                        | of  | 2 | Attorney Docket Number | 03487/LH       |
| OTHER PRIOR ART - NON-PATENT LITERATURE DOCUMENTS                                     |                          |   |   |                        |                |
| Examiner<br>Initials <sup>1</sup>   | Cite<br>No. <sup>1</sup> | Include name of author (in CAPITAL LETTERS), title of article, title of item, date, page(s), volume-issue<br>number(s), publisher, city and/or country where published  |   |                        | T <sup>2</sup> |
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| Examiner<br>Signature   | /Nina Bhat/              |   |   | Date<br>Considered     | 09/20/2006     |

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